

FIG. 1 is a perspective view of a device 10 in accordance with the present invention.

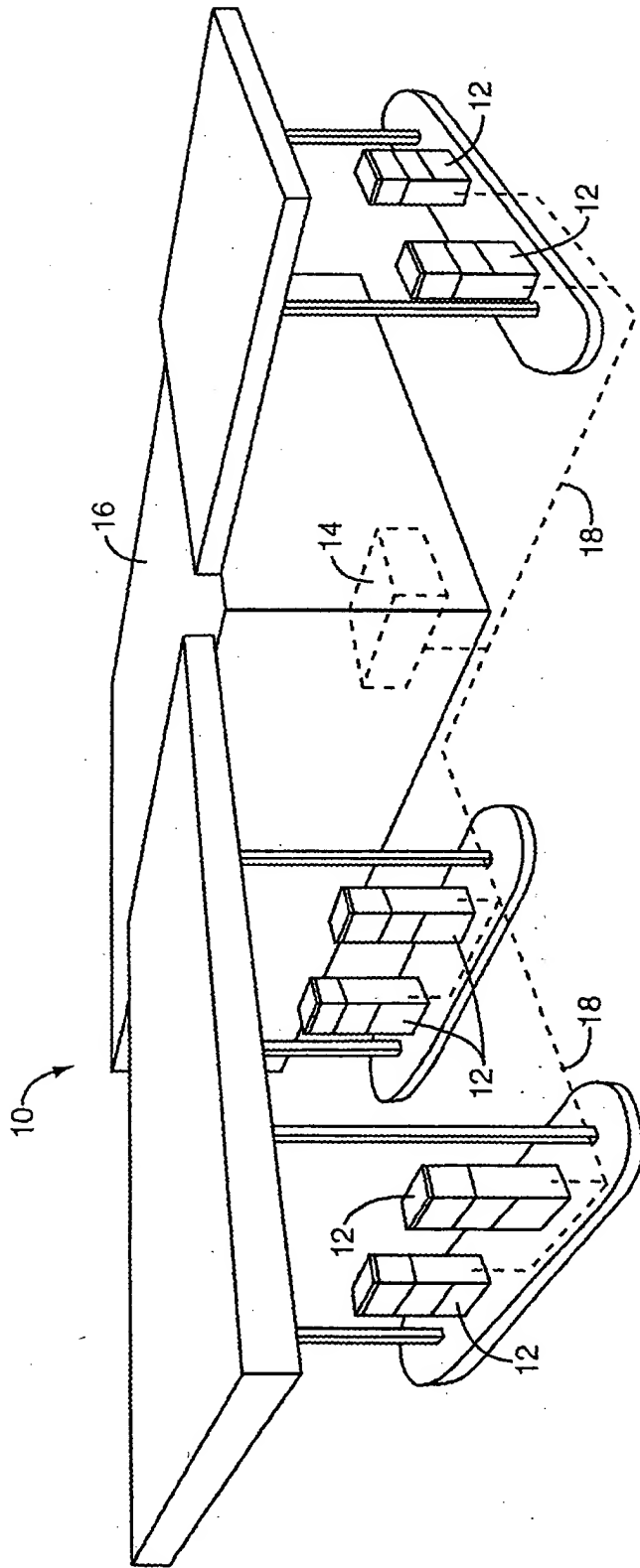


FIG. 1

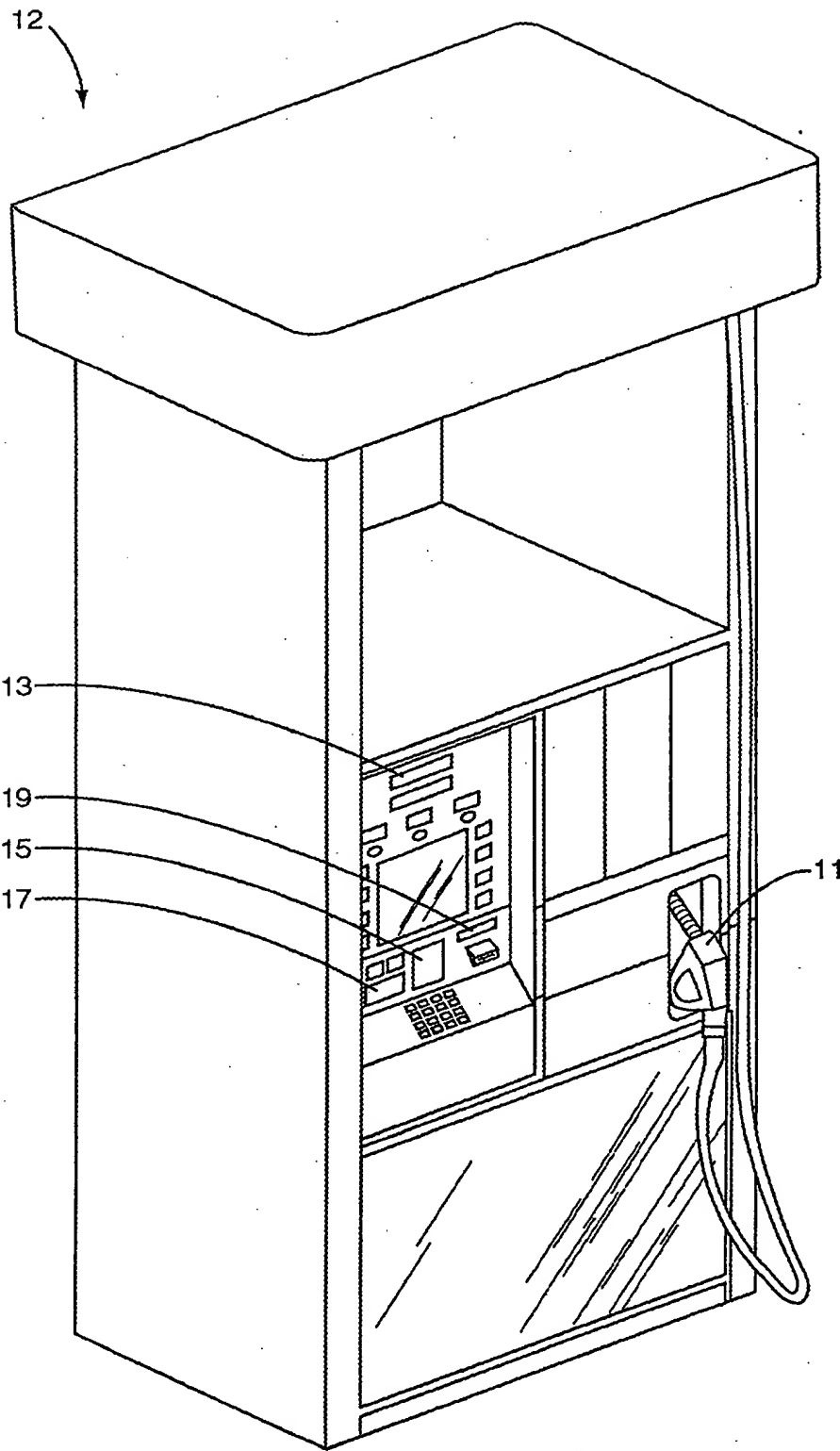


FIG. 2

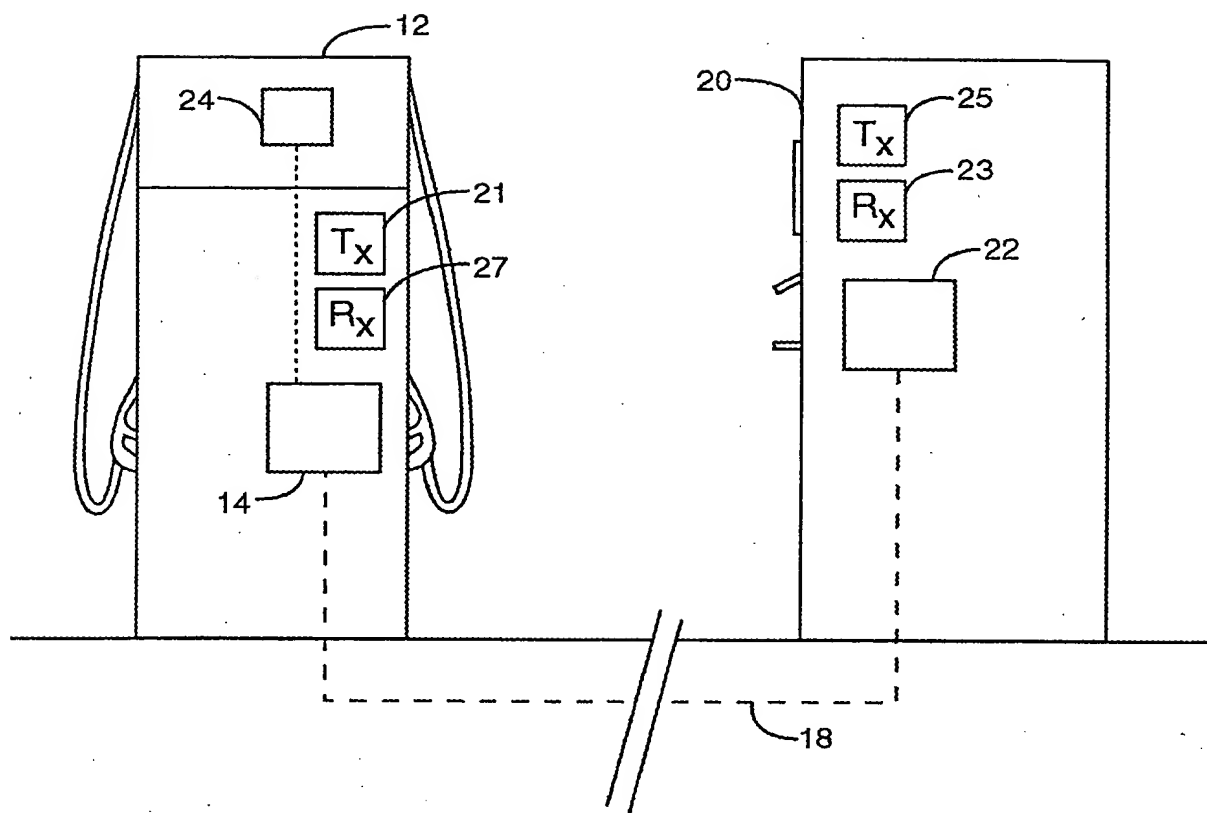


FIG. 3

FIG. 4 is a schematic diagram of a system for monitoring a process. The system includes a first unit 12, a second unit 20, and a third unit 12. The first unit 12 includes a sensor 24. The second unit 20 includes a sensor 22 and a processor 14. The third unit 12 includes a sensor 24. The first unit 12 and the third unit 12 are connected to the second unit 20 via a communication line 18. The second unit 20 is connected to the first unit 12 and the third unit 12 via a communication line 18. The second unit 20 is also connected to a power source 16. The second unit 20 is also connected to a display 17. The second unit 20 is also connected to a printer 19. The second unit 20 is also connected to a network 15. The second unit 20 is also connected to a database 13. The second unit 20 is also connected to a user interface 11. The second unit 20 is also connected to a control system 10. The second unit 20 is also connected to a data storage system 9. The second unit 20 is also connected to a data processing system 8. The second unit 20 is also connected to a data analysis system 7. The second unit 20 is also connected to a data visualization system 6. The second unit 20 is also connected to a data distribution system 5. The second unit 20 is also connected to a data collection system 4. The second unit 20 is also connected to a data acquisition system 3. The second unit 20 is also connected to a data input system 2. The second unit 20 is also connected to a data output system 1.

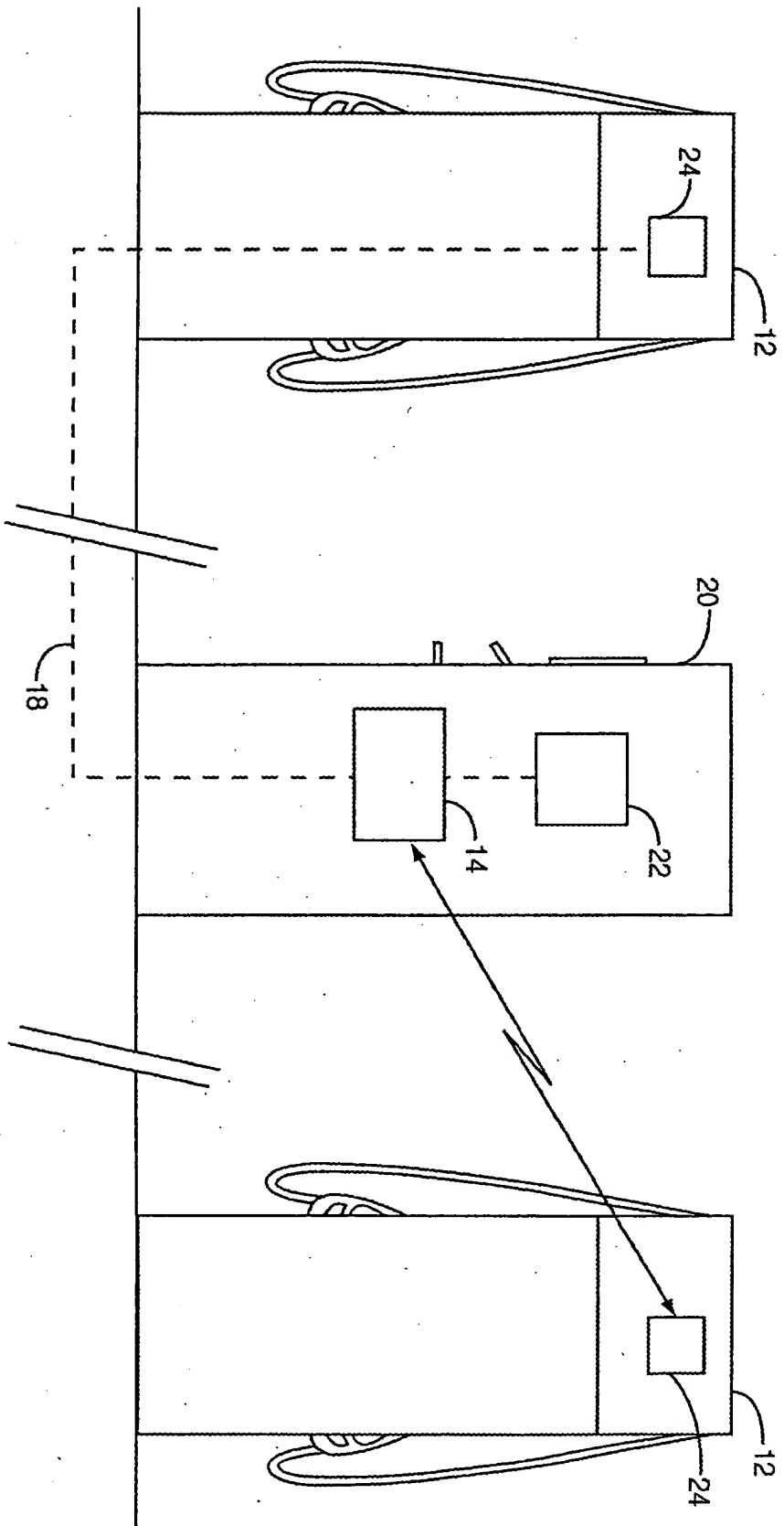


FIG. 4

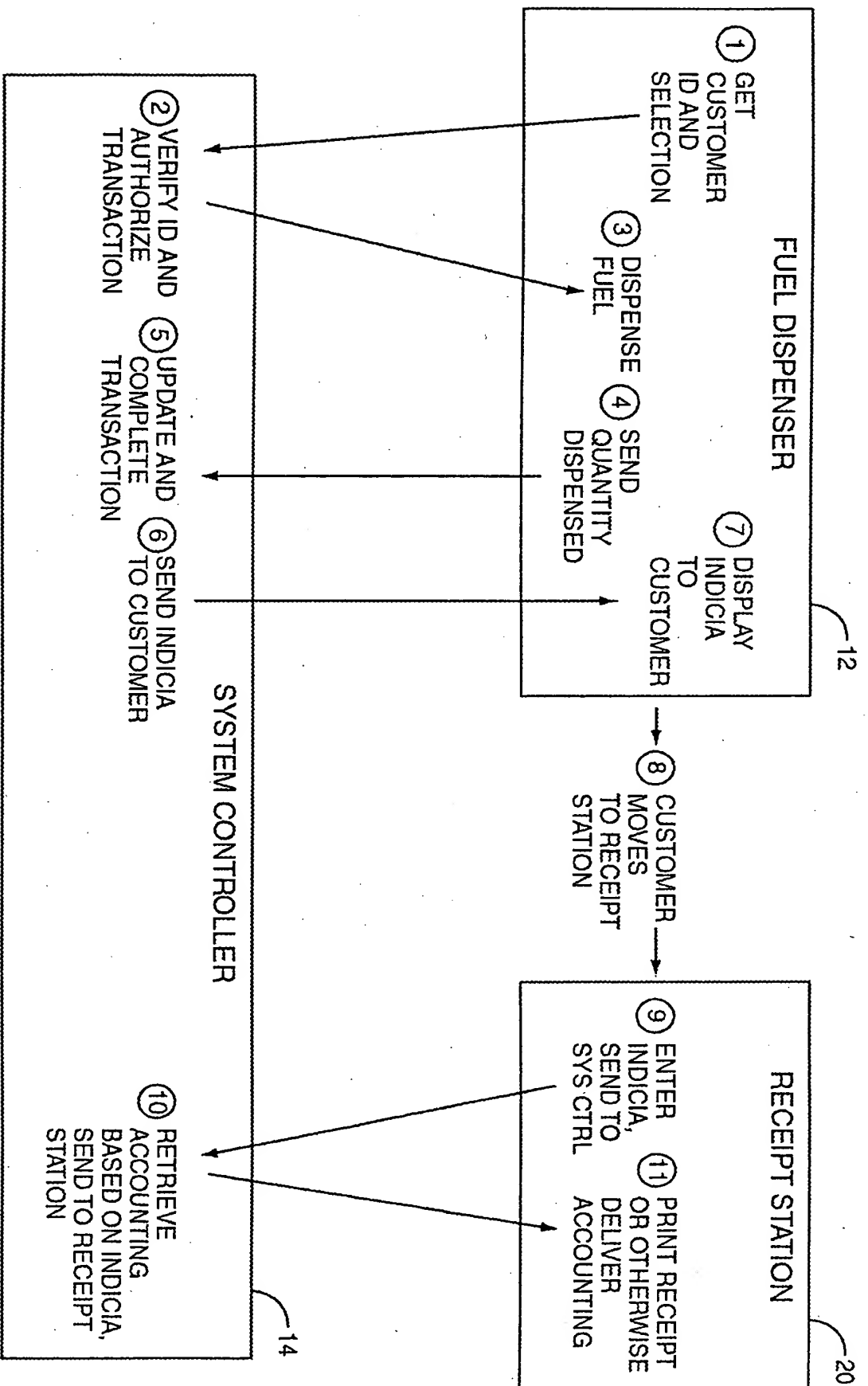


FIG. 5

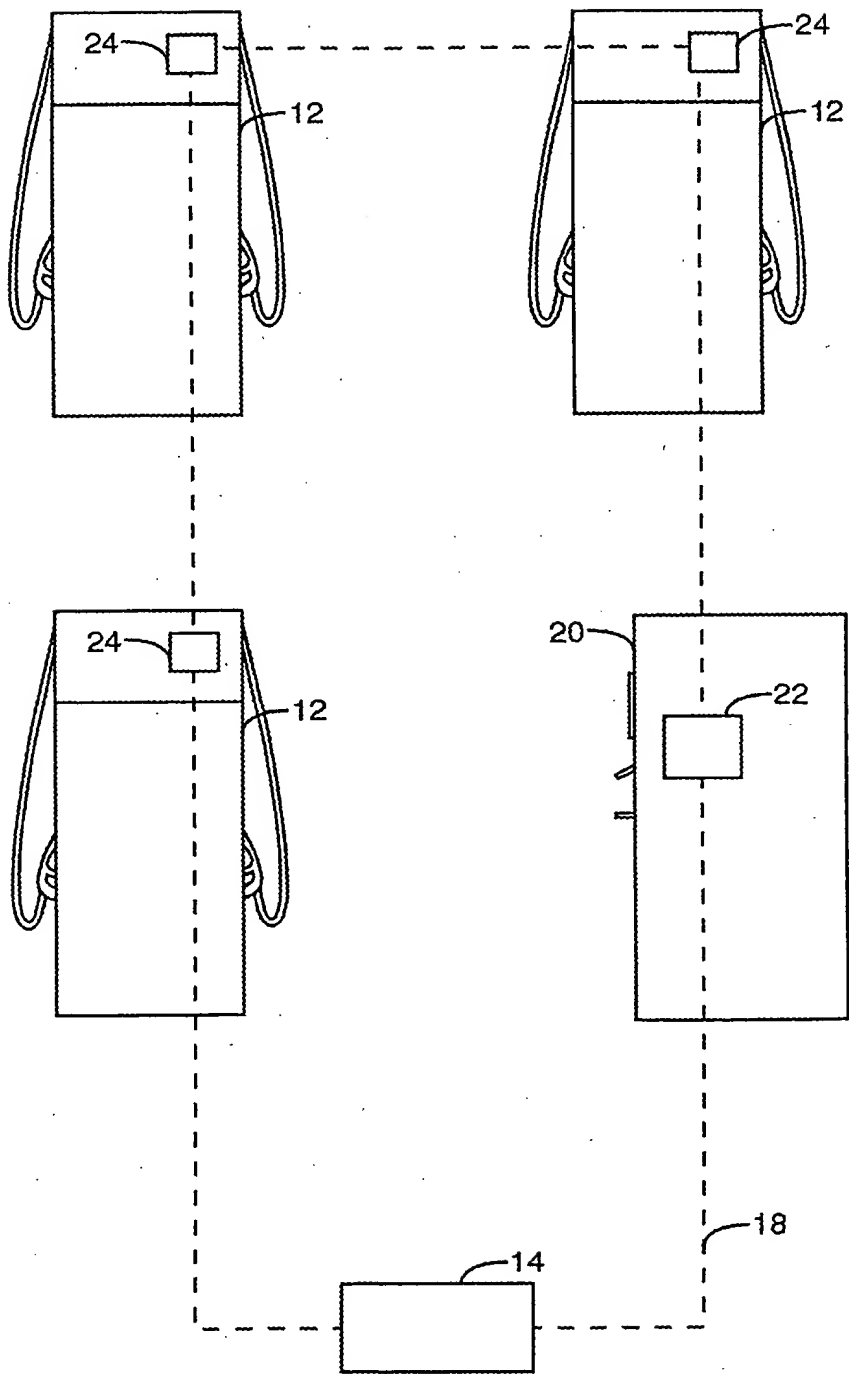


FIG. 6

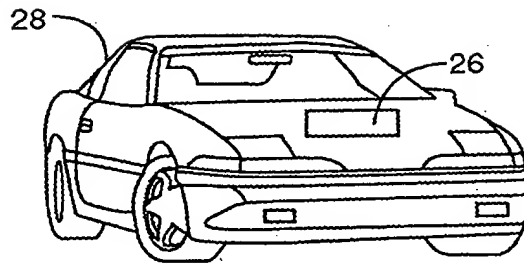


FIG. 7A



FIG. 7B

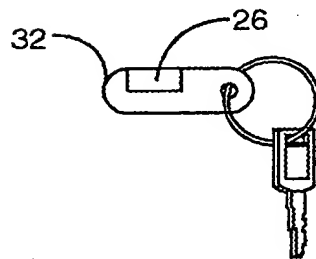


FIG. 7C

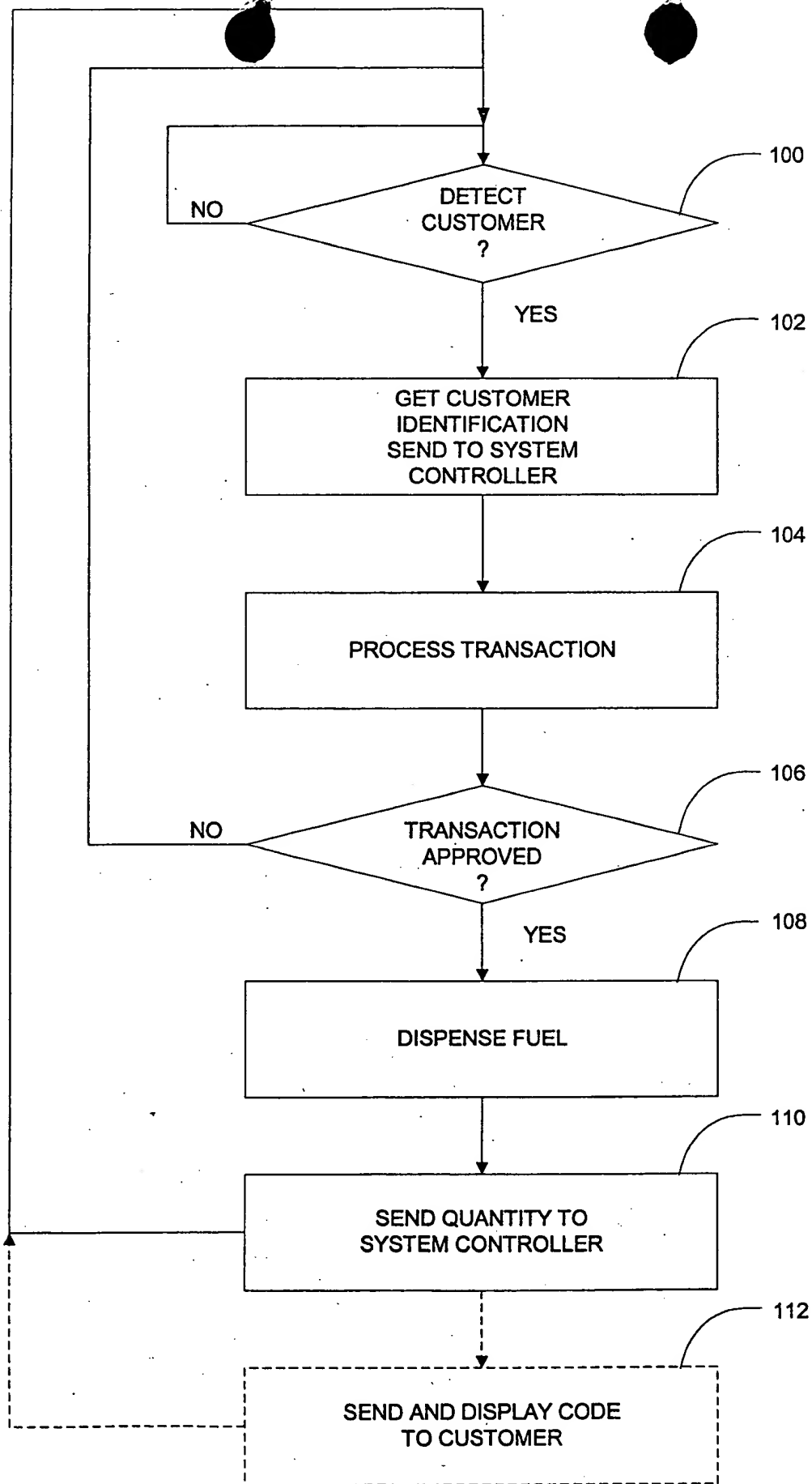


FIGURE 8

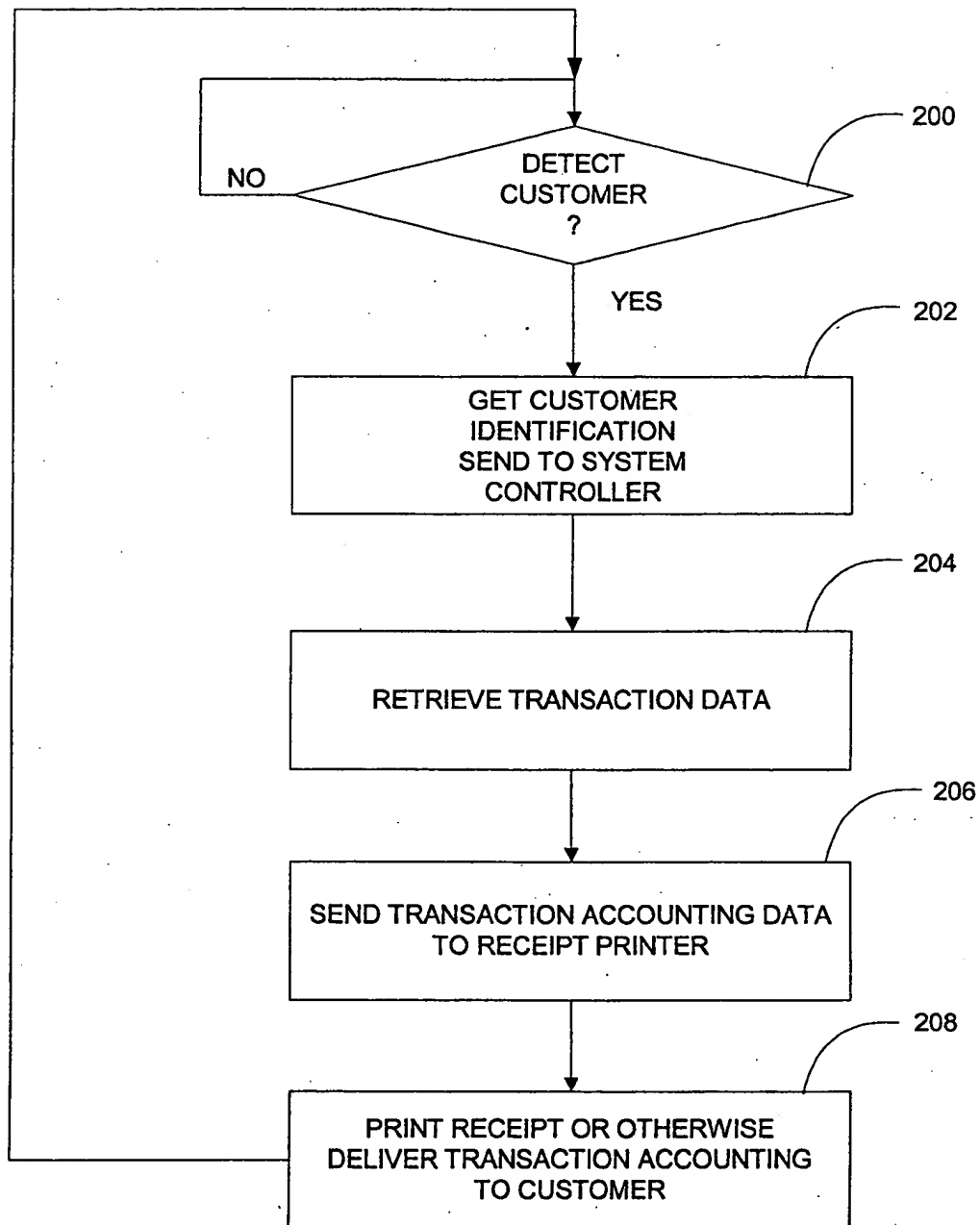


FIGURE 9

HAN'DEE HUGO 50
102 Gregson St.
Cary, N.C.

04/19/00 10:30
STN # 47677646

BP OIL

INV # 1030190006
REF # 4008083053
CREDIT 51
PUMP#02 UNLEAD
GALLONS 10.771
@ \$1.419/GAL
FUEL \$15.28

TL/NOTAX \$15.28
TAX PD \$0.00
TOTAL \$15.28

THANK YOU!
PLEASE COME AGAIN.

FIGURE 10